

## ECS/EMD Configuration Change Request

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Page(s)

1. Originator Jennifer Zwicke	2. Log Date: <b>02/17/04</b>	3. CCR #: <b>04-0111</b>	4. Rev: —	5. Tel: 301 925 0595	6. Rm #: 3205B	7. Org. COTS SW
8. CCR Title: Synergy - Install RedSpiderWeb 3.1 and support software in PVC, VATC, or IR&D for Synergy IV demo.						
9. Originator Signature/Date <b>Jennifer L. Zwicke /s/ 2/19/04</b>			10. Class <b>II</b>	11. Type: <b>CCR</b>	12. Need Date: 02/24/04	
13. CCR Sponsor Signature/Date <b>Timothy W. Ortiz /s/ 2/19/04</b>			14. Category of Change: <b>Syn IV</b>		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted (Review and submit checklist): n/a			17. Schedule Impact: Yes		18. CI(s) Affected:	
19. Release Affected by this Change: Synergy IV		20. Date due to Customer:		21. Estimated Cost: <b>None - Under 100K</b>		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input checked="" type="checkbox"/> Other: Synergy IV - WD_S4_06 Earth Science Gateway Prototype						
23. Problem: (use additional Sheets if necessary) RedSpiderWeb and it's prerequisites (listed below) need to be installed in the PVC, VATC or IR&D. The software will be installed in the PVC first with the others following. Installing RedSpiderWeb 3.1 in one of these locations will fulfill the Synergy requirement for a prototyping demo with outside access. RedSpiderWeb will not be in the baseline for delivery. This is strictly a demo-prototype.						
24. Proposed Solution: (use additional sheets if necessary) 1) Install RedSpiderWeb 3.1 (iONIC software) in the PVC on p2dps01 (/usr/ecs/OPS/COTS/ionic) for Synergy IV demo. 2) The following Prerequisites MUST be installed as well (iONIC needs its OWN versions of the following): Postgresql 7.3.4 (or 7.3.2), HegTool (*special version), Tomcat 4.1.24 and the iONIC web based client 3) We also need to put specific granules in a Synergy IV mode to complete the demo. If in the PVC, we will need to use the T1 mode to put granules that we are using for the demo						
25. Alternate Solution: (use additional sheets if necessary) None						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Inability to demo Ionic RedSpiderweb for Synergy IV project						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input checked="" type="checkbox"/> Other IR&D						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. SCDV CCB Chair (Sign/Date): <b>Byron V. Peters /s/ 2/19/04</b>			Disposition: <b>Approved</b> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. EDF CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

# ADDITIONAL SHEET

CCR #:                      Rev:      Originator:

Telephone:                      Office:

Title of Change:

**CCR Originator's Preliminary Impacts List**

(Reference WI CM-1-004-1. Expand Table as Necessary with Carriage Returns or New Rows)

**CCR No.****Rev.****Originator:****Phone:****Title:** Synergy - Install RedSpiderWeb 3.1 and support software in PVC, VATC, or IR&D for Synergy IV demo.

Office	Office Impact	Signature & Date	Comments:
Chief Eng (CE)	X		
CM - BLM	X		
CM - ClearCase			
Contracts			
COTS HW			
COTS HW (SEIT)			
COTS SW			
Custom Code	X		
DAAC Liaison			
Data Management (DM)			
Deployment - COTS			
Deployment - Custom			
EMOS			
ESDIS			
Infrastructure	X		
License Maintenance			
Property/ILS			
Quality Office	X		
Remote Data Store (RDS)			
Science (ESDTs, Outreach)			
SCM (Supply Chain)			
Security			
Software Librarian	X		
Synergy IV	X		
Test	X		
VDB			
Other			

## Engineering Change Order (ECO)

[illegible]


## INSTRUCTIONS FOR CM19 (ECS/EMD Engineering Change Order)

1. CCR #: For CM Use
2. CCR Title: Copy Title from CCR Title
3. Approval Date: For CM Use
4. Approval Authority: Organization - For CM USE
5. ECO#: The ECO number shall consist a three digit identifier such as 001, 002...
6. Task description: This should summarize actions to be executed and/or implemented in order to complete the CCR.  
Use action verbs e.g., install..., remove..., ship..., update..., upgrade..., notify..., procure..., distribute..., test..., design..., develop..., etc. Also include details like location, machine name, SW being replaced and prerequisites in order complete the task.
7. Responsibility: Organization and/or name of Actionee expected to execute ECO, provide status, and notify CM
8. Need Date/Dependent Activity: Date when change is needed or activity that has a precedence relationship to the ECO and has to occur before the ECO is executed.
9. Examples of ECOs include:

5. ECO#	6. TASK DESCRIPTION	RESPONSIBILITY (ORG/Assignee)	8. NEED DATE/ DEPENDANT ACTIVITY
-001	Prepare TAR file "... " to be sent to all DAACs	CM/ClearCase	XX/XX/XX
-002	Install Tivoli 3.6 to VATC	RTSC	XX/XX/XX
-003	EDC to add e0ins01 to disk partition	EDC/Actionee	XX/XX/XX

Note: A typical set of ECOs for a S/W or H/W CCR would be:

- ECOs to update Baseline documents to reflect "Approved" status of CI(s) affected
- An ECO to notify CM when equipment has been received and distributed
- An ECO to prepare, check, and send specified tar files to specific sites
- An ECO to ship H/W and/or S/W for IPT
- ECOs to install at each site
- An ECO to procure software or hardware

## Supplementary Procurement Information

1. CCR #:	2. Rev:	3. Date:	
4. Fund Type: Project Funds	5. Not to Exceed \$:	6. On Dock Need Date:	7. Account #:
8. Firm Quote Expiration Date:		9. WBS Manager (Sign/Date)	
10. Task Lead Verifying Need: (Sign/Date) (Not Required for Maintenance Procurements)	11. SCM Manager (Sign/Date)		12. Type of Procurement  Raytheon      EDS
13. SEIT Approval (Sign/Date)			
14. FOR CM USE ONLY:			

CM15JA00

ECS/EMD

## INSTRUCTIONS FOR CM01 (ECS Configuration Change Request)

1. Originator: Type First, MI, Last Name
2. <b>Log Date: For CM Use</b>
3. <b>CCR #: For CM Use</b>
4. <b>Rev #: For CM Use</b>
5. Telephone/Office – Use complete #, (301) XXX-XXXX
6. Room #: Ex. 2134A
7. Organization (Org.) - For example: COT HW, RDS, INFR, DEP COT, CM, SO, etc.
8. CCR Title: A title for CCR (use action words, such as: Install, Update, Procure, etc.
9. Originator Signature/Date
10. <b>Class – FOR CM USE</b>
11. Type: CCR, DEV, or WAIVER
12. Need Date: Date when change is needed
13. CCR Sponsor: Signature/Date (Originator's IPT Lead)
14. Category of Change: Initial Baseline, EDF, etc. (See pull-down menu)
15. Priority: Routine and Emergency
16. Documentation/Drawings Impacted: Use latest approved drawing(s)/document(s) number/Rev. posted on EBIS website. <i>Notes:</i> a) Use the COTS S/W Where-Used Reports (910-TDA-030) to record red line changes to the following BLM documents (910-TDA-003, 910-TDA-05, 910-TDA-023, 920-TDx-002, 920-TDx-014) b) Use the Technical Documents Matrix/Checklist included with the CCR package to identify documents impacted based on the type of change and submit it with the CCR form.
17. Schedule Impact: Schedule, if not enter (N/A)
18. CI(s) Affected: Put in Configuration Items Affected
19. Release Affected: Release 6A, 6B, etc.
20. Date Due to your Customer: Date due to ESDIS (For CDRL Deliverables)
21. Cost Estimate: None, Small<= \$100,000, Medium (\$100,000 to \$500,000), or Large (>500,000)
22. Source Reference: Check applicable box and enter Reference #.
23. Problem: Describe the change you are requesting
24. Proposed Solution: Describe the solution to the requested change.
25. Alternate Solution: Is there another solution if proposed solution is not approved.
26. Consequences if Change(s) are not approved: What impact or consequences would happen if CCR were not approved.
27. Must complete Line 27 if Line 15 is marked "Emergency".
28. Site(s) Affected: Check appropriate box.
29. <b>For Chairman Use Only</b>
30. <b>For CM/CCB Chairman Use Only</b>
31. <b>For CM Use Only</b>
32. <b>For SCDV Chairman Use Only</b>
33. <b>For EDF Chairman Use Only</b>
34. <b>For ECS Chairman Use Only</b>



## EBIS TECHNICAL DOCUMENTS MATRIX/CHECKLIST

(Use this reference guide to identify EBIS technical documents that are affected by baseline changes and submit with the CCR form.)

( x) ALL That Apply	Technical Document Title	Technical Document	Host H/W Item Change	Host S/W Item Change	Document Item Change	Responsible Org./Dept.
<input type="checkbox"/>	ECS System Baseline Specification	905-TDA-001	N/A	N/A	ECS Technical Baselines	CM -BLM
<input type="checkbox"/>	ECS Host Naming Convention	905-TDA-002	N/A	N/A	Host Names	COTS HW Custom Code
<input type="checkbox"/>	OS Version Part Numbers <i>(Retired 6/4/02)</i>	910-TDA-001	N/A	O/S	Version & Part No.	ILS
<input type="checkbox"/>	Software Port Mapping	910-TDA-002	N/A	Port Mapping	N/A	Custom Code
<input type="checkbox"/>	COTS SW Version B/L Report	910-TDA-003	N/A	<ul style="list-style-type: none"> <li>• COTS S/W</li> <li>• Firmware</li> </ul>	N/A	COTS SW CM-BLM
<input type="checkbox"/>	Site-Host Map	910-TDA-005	Add/Remove	N/A	N/A	COTS HW
<input type="checkbox"/>	ECS Program Register <i>(Retired)</i>	910-TDA-007	N/A	N/A	Program Name	Custom Code
<input type="checkbox"/>	ECS Operational Directory Structure	910-TDA-009	N/A	N/A	ECS Directory	Custom Code
<input type="checkbox"/>	ECS Custom Code File Permissions	910-TDA-011	N/A	N/A	File Permissions	Custom Code
<input type="checkbox"/>	ESDT Baseline	910-TDA-019	N/A	N/A	Data Type	SO
<input type="checkbox"/>	Sybase SQL Server	910-TDA-021	<ul style="list-style-type: none"> <li>• Add/Remove</li> <li>• Disk</li> </ul>	COTS S/W	Algorithm Dev & Validates	DEP - COTS
<input type="checkbox"/>	Custom Code Configuration Parameters	910-TDA-022	N/A	N/A	Code Design	Custom Code
<input type="checkbox"/>	Critical COTS Software List (XRP)	910-TDA-023	N/A	COTS SW	N/A	COTS SW/CM
<input type="checkbox"/>	SGI IRIX 6.5 Configuration Parameters	910-TDA-024	N/A	N/A	System Parameters	DEP - COTS
<input type="checkbox"/>	SYBASE ASE 11.5.x/11.9 Conf. Para.	910-TDA-025	N/A	N/A	Configuration Parameters	DEP - COTS
<input type="checkbox"/>	ESDT Definitions Document	910-TDA-026	N/A	N/A	Data Type	SO Custom Code
<input type="checkbox"/>	COTS S/W Where-Used	910-TDA-030	Add/Remove	N/A	N/A	CM-BLM

TDx: TD=Technical Document, x=Site Identifier, nnn=Document ID within a document series

( x) ALL That Apply	Technical Document Title	Technical Document	Host H/W Item Change	Host S/W Item Change	Document Item Change	Responsible Org./Dept.
	Rep. (ClearCase BLM)					
<input type="checkbox"/>	SGI IRIX 6.5 O/S Patches	911-TDA-005	N/A	O/S Patches	N/A	DEP-COTS COTS SW
<input type="checkbox"/>	SUN Solaris 2.5.1 O/S Patches	911-TDA-007	N/A	O/S Patches	N/A	DEP-COTS COTS SW
<input type="checkbox"/>	Clearcase COTS Patches	911-TDA-008	N/A	COTS Patches	N/A	DEP-COTS COTS SW CM-ClearCase
<input type="checkbox"/>	SUN Solaris 8 02/02 Common Patch Bundle	911-TDA-011	N/A	COTS Patches	N/A	DEP-COTS COTS SW
<input type="checkbox"/>	Red Hat Linux RPMs	911-TDA-012	N/A	COTS Patches	N/A	DEP-COTS COTS SW
<input type="checkbox"/>	Release Notes (COTS & Custom Code)	914-TDA-xxx	N/A	N/A	COTS & Custom Code (Release)	<ul style="list-style-type: none"> <li>• DEP-COTS</li> <li>• DEP - Custom</li> <li>• COTS SW</li> <li>• COTS HW</li> <li>• CM-BLM</li> </ul>
<input type="checkbox"/>	Descriptor File Template (Interfaces)	916-TDA-001	N/A	N/A	Metadata	SO
<input type="checkbox"/>	Hardware Design Diagram	920-TDx-001	Add/Remove	N/A	N/A	COTS HW
<input type="checkbox"/>	Hardware-Software Map	920-TDx-002	Add/Remove	<ul style="list-style-type: none"> <li>• COTS S/W</li> <li>• O/S</li> <li>• Licensing</li> </ul>	N/A	COTS HW COTS SW Lic. Maint. DEP-COTS
<input type="checkbox"/>	System Infrastructure	920-TDx-003	Add/Remove	COTS S/W	N/A	Custom Code DEP-Custom
<input type="checkbox"/>	Floor Plan	920-TDx-004	<ul style="list-style-type: none"> <li>• Add/Remove</li> <li>• Peripheral</li> <li>• Location</li> </ul>	N/A	N/A	COTS HW
<input type="checkbox"/>	Cable Management Plan	920-TDx-005	Cable	N/A	N/A	COTS HW
<input type="checkbox"/>	Vendor Documentation (Retired)	920-TDx-007	N/A	N/A	Vendor Documents	CM BLM DEP - COTS

TDx: TD=Technical Document, x=Site Identifier, nnn=Document ID within a document series

( x) ALL That Apply	Technical Document Title	Technical Document	Host H/W Item Change	Host S/W Item Change	Document Item Change	Responsible Org./Dept.
<input type="checkbox"/>	Mount Points	920-TDx-008	<ul style="list-style-type: none"> <li>• Add/Remove</li> <li>• Disk</li> </ul>	Mount Points	N/A	COTS SW
<input type="checkbox"/>	HW Database Mapping	920-TDx-009	<ul style="list-style-type: none"> <li>• Add/Remove</li> <li>• Device</li> </ul>	Database	N/A	COTS HW DEP-Custom
<input type="checkbox"/>	SCSI Cable Management Plan	920-TDx-012	SCSI Cable	N/A	N/A	COTS HW
<input type="checkbox"/>	O/S and COTS HW Patch Maps	920-TDx-014	Add/Remove	<ul style="list-style-type: none"> <li>• COTS Patches</li> <li>• O/S Patches</li> </ul>	N/A	COTS HW COTS SW DEP-COTS
<input type="checkbox"/>	Sun Platform UNIX Kernel Conf. Para.	920-TDx-015	Add/Remove	Kernel Values	N/A	COTS SW DEP-COTS
<input type="checkbox"/>	SGI Platform UNIX Kernel Conf. Para.	920-TDx-016	Add/Remove	Kernel Values	N/A	COTS SW DEP-COTS
<input type="checkbox"/>	HP Platform UNIX Kernel Conf. Para. (Retired)	920-TDx-017	Add/Remove	Kernel Values	N/A	COTS SW DEP-COTS
<input type="checkbox"/>	Custom Code Baseline	920-TDx-019	Add/Remove	<ul style="list-style-type: none"> <li>• Custom Code</li> <li>• Patches, TEs</li> </ul>	N/A	CM-ClearCase
<input type="checkbox"/>	Network Overview Diagram	921-TDx-001	N/A	N/A	Network Topology	COTS HW
<input type="checkbox"/>	Hardware Network Diagram	921-TDx-002	Add/Remove	N/A	N/A	COTS HW
<input type="checkbox"/>	Host IP Assignments	921-TDx-003	Add/Remove	N/A	N/A	COTS HW
<input type="checkbox"/>	Network IP Assignments	921-TDx-004	Add/Remove	N/A	N/A	COTS HW
<input type="checkbox"/>	Dual-Homed Host Static Routes	921-TDx-005	N/A	N/A	Host Routing	COTS HW
<input type="checkbox"/>	Disk Partition	922-TDx-nnn	Disk	N/A	N/A	COTS HW
<input type="checkbox"/>	Primary DNS Servers	923-TDx-00x	Add/Remove	N/A	N/A	COTS HW
<input type="checkbox"/>	Secondary DNS Servers	923-TDx-00x	Add/Remove	N/A	N/A	COTS HW

TDx: TD=Technical Document, x=Site Identifier, nnn=Document ID within a document series